INDEX TO VOLUME 105

Author index*

A

Adamson JW, 659
Adler B, 271
Ahmad T, 464
Alfrey AC, 227
Allen C, 99
Al-Mondhiry H, 397
Anand I, 531
Anderson CE, 537
Anderson LL, 537
Anderson WR, 331, 619
Appleton RS, 114
Arii S, 668
Arnold JH, 410
Atkinson AJ Jr, 321, 489
Avram MJ, 489
Ayoub EM, 114
Azukizawa S, 195

B

Bartholdi P, 641
Basrur S, 209
Bauer KA, 219
Beach JE, 294
Beck FWJ, 214
Beckman B, 449
Bengoa JM, 259
Berendt RF, 124
Bessho H, 711
Better OS, 568
Beutler E, 581
Bhattacharya SK, 422
Bianchi ML, 139
Binder BR, 718
Bing RF, 679
Blankenhorn DH, 120
Blendis LM, 568
Blombäck M, 265
Boccelli D, 342
Boineau FG, 449
Bomzon A, 568
Bowsher DJ, 489
Breuer R, 635
Brewer GJ, 19
Britt LG, 422
Brouhard BH, 731
Brune J, 70
Bryce GF, 239
Buccianti G, 139
Buhac I, 759
Bulkley BH, 359
Bullock W, 608
Burns ER, 673

C

Callis AH, 547
Calore J, 178
Cantor JO, 254
Cataland S, 410
Cerletti C, 653
Cerullo L, 321
Chan Y-L, 227
Charache S, 11, 328
Charlton B, 312
Chen Y-S, 201
Chin HP, 120
Chmielewska J, 265
Chow MJ, 489
Christensen TG, 635
Cimino CD, 368
Clandinin MT, 647
Clark RA, 178
Coburn JW, 239
Cochet B, 641
Cofrancesco E, 139
Cohen I, 321
Cohn SH, 305
Colman RW, 514, 601, 694
Colwell JA, 613
Combs MJ, 428
Cordier G, 70
Cordier J-F, 70
Courvoisier B, 641
Crawford AJ, 422
Cresseri D, 139
Culp LA, 725
Currie MG, 349
Curry P, 120
Curtis JR, 139
Cuschieri A, 686

D

Dagan I, 44
Dale DC, 403
Danovitch GM, 214
Davis JW, 479
Davis PB, 164
de Agostini A, 694
de Gaetano G, 653
DeGowin RL, 299
de Jong E, 353
del Greco F, 489
Deykin D, 271
Dincer AK, 219
Dirks JH, 472
Dise CA, 89
Donath A, 641
Donohue TM Jr, 5
Dorwart BB, 664
Dosekun A, 77, 99
Dozeman R, 619
Draves K, 619
Drijfhout HR, 353
Drutz DJ, 737
Duhaney R, 63
Dunn JK, 731

E

Edmunds LH Jr, 514, 601
Eigenberg DA, 479
Ellis KJ, 305
Endres D, 247
Engel RR, 436
Epstein M, 234
Eschbach JW, 659
Everson B, 625

F

Fabry ME, 706
Farrell PC, 312
Fernandez LA, 141
Finch CA, 440
Finn WF, 523
Fish AJ, 700
Fisher JW, 449
Fleischer AB, 185
Forker EL, 185
Franzblau C, 178
Frazier J, 99
Frey CL, 737
Frischer H, 464
Furcht LT, 30

G

Gali D, 568
Ganguly NK, 531
Garcia JF, 659
Gaspoz J-M, 641
Gelbart T, 581
Geller DM, 349
Glas-Greenwalt P, 77, 99
Glueck HI, 77
Godfrey N, 679
Goldblum SE, 374
Goldfarb A, 44
Goodman DBP, 89
Gorodetsky R, 44
Grabowski EF, 36
Grammer LC, 108
Greco NJ, 410
Green D, 321
Greenberg A, 498
Griessen M, 641
Grijm R, 353
Groom AC, 209

H

Hammond WP, 403
Hansen-Flaschen J, 89
Harris H, 342
Hartman CR, 479
Hassanein KM, 479
Hatchell DL, 573
Hathaway PJ, 11
Heldt G, 436
Henriksen JH, 759
Hershock D, 514
Hignite CE, 479
Hill G, 19
Hoeg JM, 157
Hoffman R, 593
Hofman AF, 504

*January, pp 1-140; February, pp 141-276; March, pp 277-402; April, pp 403-522; May, pp 523-646; June, pp 647-780.

Hosannah Y, 254
Hosojima H, 195
Howe SE, 554
Huebers H, 440
Hunter BE, 686
Hyndiuk RA, 573

I

Ibraham NG, 593
Iburg AHC, 353
Imaizumi N, 195
Infante F, 641
Inoue M, 132, 484
Ireland H, 139
Iwo K, 711

J

Jaax NK, 124
Jaffe EA, 36
Jakubowski JA, 271
James TN, 359
Jamieson GA, 157
Jenkin B, 601
Jenkins CSP, 52
Jeraj K, 700
Jikko A, 668
Johnson U, 432
Johnsson H, 265
Jones PJH, 647
Jung A, 641

K

Kachel DL, 23
Kahlé LH, 353
Kambhu SA, 625
Kamiyama Y, 668
Kant KS, 77, 99
Kao G, 63
Kaplan J, 19
Kaufmann RC, 337
Kaul K, 286
Keller S, 254
Kent SP, 359
Kereiakes JG, 608
Kigoshi T, 195
Kikuoka H, 711
Kim B-K, 440
Klein PD, 504
Klenk D, 63
Kleppel M, 700
Knot EAR, 353
Kobayashi S, 380
Kooistra T, 751
Kopel A, 247
Korninger C, 718
Kotchen TA, 286
Koup JR, 659
Koyama H, 484
Krejcie TC, 489
Krishna GG, 214
Kumar A, 679
Kurth CE, 573

L

Labarre D, 219
Lachin JM, 504
LaGrone L, 731
Lane DA, 139
Lanken PN, 89
Larios O, 234
Lass SL, 299
Lauri D, 653
Lawrence C, 706
Lefebvre R, 70
Levere RD, 593
Levesque MJ, 209
Levine BS, 239
Lewis HD Jr, 479
Lewy JE, 449
Lifschitz MD, 234
Lincoln EC, 190
Lindblad S, 331
Lindgren S, 432
Lindon JN, 219
Ljungberg B, 265
Lo G, 120
Lohr KM, 573
Loizeau E, 641
Lorenz M, 139
Lucey EC, 635
Lukes YG, 294
Luther RW, 422
Lutton JD, 593
Luxon BA, 185
Lyftogt C, 619
Lynch DM, 554

M

McAllister HA Jr, 359
McCarthy J, 30
McClung M, 247
Macdonald VW, 11
McGonigle RJS, 449
Maeda K, 380
Maekawa T, 146
Mallon JP, 239
Mandel GS, 547
Mandel NS, 547
Mandl I, 254
Marino JA, 725
Martin WJ II, 23
Matsumoto G, 711
Mayfield G, 608
Mead A, 141
Mecherikunnel P, 63
Medina VA, 5
Merrill EW, 219
Meryhew NL, 277
Messner RP, 277
Michael AF, 700
Miles DJ, 294
Miller DM, 94
Miller ON, 239
Miyamura K, 711
Mladenovic J, 659
Modler S, 436
Moore OF, 422
Morimoto S, 195
Morinelli TA, 514
Morino Y, 132, 484
Mornex J-F, 70
Moroff G, 560
Mulivor RA, 342
Musial J, 514, 601

N

Nagase S, 484
Nagel RL, 673, 706
Naruse T, 146
Nealon S, 209
Needleman P, 349
Neill WA, 390
Nessim S, 120
Newcom SR, 170
Nierenberg J, 63
Niewiarowski S, 514, 601
Nishi M, 711
Norwood C, 328

O

O'Dorisio TM, 410
Ogasawara M, 380
Ogawa S, 146
Ohene-Frempong K, 449
Oikarinen AI, 537
Okajima K, 132
O'Leary PW, 428
Opsahl Z, 247
Ores-Carton C, 52
Orwoll E, 247
Osborne WRA, 403
Osman M, 254
Owens MR, 368
Ozawa K, 668

P

Pages J, 70
Paget GL, 164
Paller MS, 459
Palmieri GMA, 422
Panganamala RV, 410
Paquet RJ, 417
Pate JW, 422
Patterson R, 108
Patton GM, 190
Pencharz PB, 647
Pennock JL, 397
Pensky J, 725
Perman JA, 436
Perri RT, 30
Petersen B, 63
Phelan J, 686
Pierce WS, 397
Pippard MJ, 440
Pitcock JA, 422
Pogliani E, 139
Pollack S, 629
Pollak VE, 77, 99
Powis GW, 23
Prakash K, 531
Prasad AS, 19
Princen HMG, 751
Prockop DJ, 664
Prodouz KN, 560
Purdon AD, 694
Puschett JB, 498
Puszkin EG, 52

Q

Quamme GA, 472

R

Rachmilewitz EA, 44
Raizada V, 531
Rasbold K, 63
Ratnoff OD, 625
Reed WP, 374
Reel GM, 417
Rendell M, 63
Revillard J-P, 70
Rimmer AR, 686
Ring-Larsen H, 759
Roberts L, 247
Roberts M, 108
Robins SJ, 190
Rosenberg IH, 259
Rosenberg RR, 219
Rosenthal A, 585
Rowe JL, 731
Runquist OA, 277
Ruo TI, 321
Ruttinger HA, 479
Ryhänen L, 537

S

Sadek S, 686
Salzman EW, 219
Schapira M, 694
Schilling RF, 428
Schindhelm K, 312
Sedman A, 227
Seibold JR, 664

Sekas G, 190
Shadduck RK, 449
Sharma KB, 531
Shelton L, 479
Shibagaki M, 668
Shurmantine WO, 185
Silberstein EB, 608
Singer FR, 239
Slaff JI, 282
Smeby LC, 312
Smith PK, 63
Snider GL, 178, 635
Sohnle PG, 547
Solomons NW, 585
Sorrell MF, 5
Sowers JR, 214
Spagnuolo PJ, 725
Sprengers ED, 751
Steiman I, 328
Stellaard F, 504
Stone PJ, 178, 635
Swales JD, 679

T

Tak Yan Yu D, 380
Takahashi S, 668
Takasan H, 668
Taki Y, 668
Talwalkar RT, 286
Tamer D, 114
Tanaka J, 668
Tandon NN, 157
Tapazoglou E, 19
ten Cate JW, 353
Thompson CB, 271
Thompson FL, 185
Thurston H, 679
Tobe T, 668
Toskes PP, 282
Ts'ao C-H, 321
Tsuchida A, 146
Tulley FM, 686
Tuma DJ, 5
Turi V, 164
Turino GM 254
Twickler J, 141

U

Uchida K, 195
Uitto J, 537, 664
Urdén G, 265

V

Valeri CR, 271
Valenti G, 139
van Hinsbergh VWM, 751
Vaswani AN, 305
Vercellotti G, 30
Vergnon J-M, 70
Vessella RL, 30
Victorica BE, 114
Vigersky RA, 294
Vincent M, 70
Vitale GC, 686

W

Wachtfogel YT, 601
Wagner O, 718
Wakitani K, 349
Wallia R, 498
Wang SC, 201
Wasiluk KR, 277
Watson S, 608
Weaver J, 629
Weiss MA, 77
Weksler BB, 36
Wiessner J, 547
Wilkinson WH, 673
Williams RC Jr, 531
Wiman B, 265
Winkler K, 759
Winocour PD, 613
Wolfe MM, 282, 417
Wong NLM, 472
Wood RJ, 259
Wortsman J, 337

Y

Yamamoto I, 195
Yang A, 94
Yano S, 146
Yasumura S, 305
Yokoo N, 668
Yuen K, 305

Z

Zabriskie JB, 531
Zaslow MC, 178
Zieve L, 331, 619
Zucker MB, 52

Subject index*

A

Absorption
Absorption of ^{13}C-labeled stearic, oleic, and linoleic acids in humans: Application to breath tests (Jones et al), 647
A simple method for measurement of intestinal calcium absorption in humans by double-isotope technique (Griessen et al), 641

Acetaldehyde
Covalent binding of acetaldehyde to hepatic proteins during ethanol oxidation (Medina et al), 5

Acetaminophen
Acetaminophen liver injury: Sequential changes in two biochemical indices of regeneration and their relationship to histologic alterations (Zieve et al), 619

***N*-acetyl-β-D-glucosaminidase**
Differential response of urinary *N*-acetyl-β-D-glucosaminidase to two osmotic diuretics in the dog (Rowe et al), 731

***N*-Acetylphenylalanine**
Studies on the mechanism for renal elimination of *N*-acetylphenylalanine: Its pathophysiologic significance in phenylketonuria (Okajima et al), 132

Acid
Absorption of ^{13}C-labeled stearic, oleic, and linoleic acids in humans: Application to breath tests (Jones et al), 647
Clinical and laboratory investigation of the effects of ε-aminocaproic acid on hemostasis (Green et al), 321
Mass spectrometry identification of biliary bile acids in bile from patients with gallstones before and during treatment with chenodeoxycholic acid: An ancillary study of the National Cooperative Gallstone Study (Stellaard et al), 504
Normobaric hyperoxia in vivo inhibits fatty acid incorporation into sheep erythrocyte phospholipid in vitro (Dise et al), 89
Use of aminophenylboronic acid affinity chromatography to measure glycosylated albumin levels (Rendell et al), 63

Acidosis
Actions of parathyroid hormone are not impaired during chronic metabolic acidosis (Wong et al), 472

α-Actinin
Platelet cytoskeleton α-actinin in normal and thrombasthenic platelets: Distribution and immunologic characterization (Puszkin et al), 52

Activator
Inhibition of plasminogen activators by conditioned medium of human hepatocytes and hepatoma cell line Hep G2 (Sprengers et al), 751

Active site
Active site–specific inhibition by 1,3-*bis*(2-chloroethyl)-1-nitrosourea of two genetically homologous flavoenzymes: Gluthathione reductase and lipoamide dehydrogenase (Ahmad and Frischer), 464

Adenosine diphosphate
Adrenaline and adenosine diphosphate–induced platelet aggregation require shape change. Importance of pseudopods (Erratum) (Milton and Frojmovic), 592

Adrenaline
Adrenaline and adenosine diphosphate–induced platelet aggregation require shape change. Importance of pseudopods (Erratum) (Milton and Frojmovic), 592

α-Adrenergic receptor
α-Adrenergic responses in asthma (Davis et al), 164
Loss of platelet α_2-adrenergic receptors during simulated extracorporeal circulation: Prevention with prostaglandin E_1 (Wachtfogel et al), 601

β-Adrenergic receptor
Radioreceptor assay for β-adrenergic receptor–reactive catecholamines in serum samples (Iwo et al), 711

Agar gel
Quantitative analysis of abnormal hemoglobins by agar gel electrophoresis (Steiman et al), 328

Aggregation
Adrenaline and adenosine diphosphate–induced platelet aggregation require shape change. Importance of pseudopods (Erratum) (Milton and Frojmovic), 592
Influence of platelet volume on the ability of prostacyclin to inhibit platelet aggregation and the release reaction (Jakubowski et al), 271

Albumin
Effect of a transported ligand on the binding of albumin to rat liver cells (Fleischer et al), 185
Use of aminophenylboronic acid affinity chromatography to measure glycosylated albumin levels (Rendell et al), 63

Allergy, insulin
IgE and IgG antibody against human (recombinant DNA) insulin in patients with systemic insulin allergy (Grammer et al), 108

Aluminum
The compartmentalization and metabolism of aluminum in uremic rats (Alfrey et al), 227

ε-Aminocaproic acid
Clinical and laboratory investigation of the effects of ε-aminocaproic acid on hemostasis (Green et al), 321

Aminophenylboronic acid
Use of aminophenylboronic acid affinity chromatography to measure glycosylated albumin levels (Rendell et al), 63

*January, pp 1-140; February, pp 141-276; March, pp 277-402; April, pp 403-522; May, pp 523-646; June, pp 647-780.

Amniotic fluid
Quantitative analysis of alkaline phosphatases in serum and amniotic fluid: Comparison of biochemical and immunologic assay (Mulivor et al), 342
Analbuminemia
Renal secretion of phenolsulfonphthalein: Analysis of its vectorial transport in normal and mutant analbuminemic rats (Inoue et al), 484
Ancrod
Ancrod: Normalization of fibrinolytic enzyme abnormalities in patients with systemic lupus erythematosus and lupus nephritis (Glas-Greenwalt et al), 99
Lupus nephritis with thrombosis and abnormal fibrinolysis: Effect of ancrod (Kant et al), 77
Anemia
Erythropoietin and inhibitors of in vitro erythropoiesis in the development of anemia in children with renal disease (McGonigle et al), 449
Iron deficiency anemia: Mitochondrial α-glycerophosphate dehydrogenase in guinea pig skeletal muscle (Macdonald et al), 11
Red cell distribution width parallels dense red cell disappearance during painful crises in sickle cell anemia (Lawrence et al), 706
Regulation of heme metabolism in normal and sideroblastic bone marrow cells in culture (Ibraham et al), 593
Angina
Staccato left anterior descending artery occlusion: A recognizable subset of unstable angina (Neill), 390
Angioedema
Plasma kallikrein and prorenin in patients with hereditary angioedema (Purdon et al), 694
Angiotensin II
Neovascularization produced by angiotensin II (Fernandez et al), 141
Unresponsiveness of plasma mineralocorticoids to angiotensin II in diabetic patients with asymptomatic normoreninemic hypoaldosteronism (Kigoshi et al), 195
Antiactivator
Tissue plasminogen activator inhibitor in human plasma: Development of a functional assay system and demonstration of a correlating M_r = 50,000 antiactivator (Korninger et al), 718
Antibody
Antibodies against *Yersinia enterocolitica* in patients with Reiter's syndrome (Kobayashi et al), 380
Enzyme immunoassay of anti-glomerular basement membrane antibodies (Fish et al), 700
IgE and IgG antibody against human (recombinant DNA) insulin in patients with systemic insulin allergy (Grammer et al), 108
Specificity of commercially available antibodies used for gastrin measurement (Wolfe et al), 417
Specificity of persistence of antibody to the streptococcal group A carbohydrate in rheumatic valvular heart disease (Appleton et al), 114
Antigen
Studies of streptococcal membrane antigen–binding cells in acute rheumatic fever (Williams et al), 531
α-$_1$Antiprotease
Myeloperoxidase-induced inactivation of α_1-antiprotease in hamsters (Zaslow et al), 178
Antiserum
Selective glomerular thrombosis in rats induced by combined injections of nephrotoxic antiserum and lipopolysaccharide (Naruse et al), 146
Artery
Cigarette smoking–induced enhancement of platelet function: Lack of prevention by aspirin in men with coronary artery disease (Davis et al), 479
Platelet release in coronary heart disease: Effect of antiplatelet drugs and coronary artery bypass graft (Al-Mondhiry et al), 397
Staccato left anterior descending artery occlusion: A recognizable subset of unstable angina (Neill), 390
Ascites
Resorption of ascites in decompensated cirrhosis (Letter) (Henriksen et al), 759; (Reply) (Buhac), 759
Aspirin
Amplification of primary response of human platelets to platelet-activating factor: Aspirin-sensitive and aspirin-insensitive pathways (Lauri et al), 653
Cigarette smoking–induced enhancement of platelet function: Lack of prevention by aspirin in men with coronary artery disease (Davis et al), 479
Assay
An enzyme-linked immunosorbent assay for the evaluation of thrombocytopenia induced by heparin (Howe and Lynch), 554
Plasma prekallikrein assay: Reversible inhibition of CT inhibitor by chloroform and its use in measuring prekallikrein in different mammalian species (Erratum) (Schmaier et al), 600
Quantitative analysis of alkaline phosphatases in serum and amniotic fluid: Comparison of biochemical and immunologic assays (Mulivor et al), 342
Radioreceptor assay for α-adrenergic receptor–reactive catecholamines in serum samples (Iwo et al), 711
Tissue plasminogen activator inhibitor in human plasma: Development of a functional assay system and demonstration of a correlating M_r = 50,000 antiactivator (Korninger et al), 718
Asthma
α-Adrenergic responses in asthma (Davis et al), 164

B

Bile
Complement activation in primary biliary cirrhosis: An in vitro model (Lindgren and Johnson), 432
Mass spectrometry identification of biliary bile acids in bile from patients with gallstones before and during treatment with chenodeoxycholic acid: An ancillary study of the National Cooperative Gallstone Study (Stellaard et al), 504

Binding
Catalytic activity and platelet reactivity of heparin covalently bonded to surfaces (Lindon et al), 219
Effect of a transported ligand on the binding of albumin to rat liver cells (Fleischer et al), 185
Blastomyces dermatitidis
Intracellular and extracellular defenses of human phagocytes against *Blastomyces dermatitidis* conidia and yeasts (Drutz and Frey), 737
Blood
Elevation of a calcium fraction tightly bound to serum proteins in maternal blood at delivery and in cord blood from newborn infants (Wortsman and Kaufmann), 337
Loss of platelet α_2-adrenergic receptors during simulated extracorporeal circulation: Prevention with prostaglandin E, (Wachtfogel et al), 601
Blood pressure
Reversal of renovascular hypertension: A comparison of changes in blood pressure, plasma renin, and sodium balance in two models in rats (Godfrey et al), 679
Body mass
Assessment of cellular mass and lean body mass by noninvasive nuclear techniques (Cohn et al), 305
Bone marrow cell
Regulation of heme metabolism in normal and sideroblastic bone marrow cells in culture (Ibraham et al), 593
Breath hydrogen
Effect of ventilation on breath hydrogen measurement (Perman et al), 436
Intestinal metabolism of a random-bonded polyglucose bulking agent in humans: In vitro and in vivo studies of hydrogen evolution (Solomons and Rosenthal), 585
Breath test
Absorption of ^{13}C-labeled stearic, oleic, and linoleic acids in humans: Application to breath tests (Jones et al), 647
Bronchi
Quantitative study of secretory cell metaplasia induced by human neutrophil elastase in the large bronchi of hamsters (Breuer et al), 635

C

C-peptide
Urinary C-peptide measurements in patients receiving continuous and cyclic total parenteral nutrition (Wood et al), 259
C1-inhibitor
Plasma prekallikrein assay: reversible inhibition of C1 inhibitor by chloroform and its use in measuring prekallikrein in different mammalian species (Erratum) (Schmaier et al), 600
Calcitriol
Pharmacokinetics and biologic effects of calcitriol in normal humans (Levine et al), 239
Calcium
Elevation of a calcium fraction tightly bound to serum proteins in maternal blood at delivery and in cord blood from newborn infants (Wortsman and Kaufmann), 337
A simple method for measurement of intestinal calcium absorption in humans by double-isotope technique (Griessen et al), 641
Soft tissue calcium and magnesium content in acute pancreatitis in the dog: Calcium accumulation, a mechanism for hypocalcemia in acute pancreatitis (Bhattacharya et al), 422
Carbon 13
Absorption of ^{13}C-labeled stearic, oleic, and linoleic acids in humans: Application to breath tests (Jones et al), 647
Carotid artery
Autopsy calibration of carotid artery B-mode ultrasound imaging: Effects of pressure on residual lumen size (Chin et al), 120
Catecholamine
Radioreceptor assay for β-adrenergic receptor–reactive catecholamines in serum samples (Iwo et al), 711
Chemotactic factors
Corneal organ cultures in tyrosinemia release chemotactic factors (Lohr et al), 573
Fibronectin mediates chemotactic factor–stimulated neutrophil substrate adhesion (Marino et al), 725
Chenodeoxycholic acid
Mass spectrometry identification of biliary bile acids in bile from patients with gallstones before and during treatment with chenodeoxycholic acid: An ancillary study of the National Cooperative Gallstone Study (Stellaard et al), 504
1,3-*bis*(2-chloroethyl)-1-nitrosourea
Active site–specific inhibition by 1,3-*bis*(2-chloroethyl)-1-nitrosourea of two genetically homologous flavoenzymes: Glutathione reductase and lipoamide dehydrogenase (Ahmad and Frischer), 464
Chloroform
Plasma prekallikrein assay: Reversible inhibition of C1 inhibitor by chloroform and its use in measuring prekallikrein in different mammalian species (Erratum) (Schmaier et al), 600
Cholecystokinin
Elevated fasting cholecystokinin levels in pancreatic exocrine impairment: Evidence to support feedback regulation (Slaff et al), 282
Cholesterol
Perfusion studies on the formation of mural thrombi with cholesterol-modified and hypercholesterolemic platelets (Tandon et al), 157
Chromatography
Mass spectrometry identification of biliary bile acids in bile from patients with gallstones before and during treatment with chenodeoxycholic acid: An ancillary study of the National Cooperative Gallstone Study (Stellaard et al), 504
Use of aminophenylboronic acid affinity chromatography to measure glycosylated albumin levels (Rendell et al), 63
Cigarette smoking
Cigarette smoking–induced enhancement of platelet function: Lack of prevention by aspirin in men with coronary artery disease (Davis et al), 479

Circulation
Loss of fibrinogen receptors from the platelet surface during simulated extracorporeal circulation (Musial et al), 514
Loss of platelet α_2-adrenergic receptors during simulated extracorporeal circulation: Prevention with prostaglandin E_1 (Wachtfogel et al), 601
Cirrhosis
Complement activation in primary biliary cirrhosis: An in vitro model (Lindgren and Johnson), 432
α_2-Plasmin inhibitor metabolism in patients with liver cirrhosis (Knot et al), 353
Resorption of ascites in decompensated cirrhosis (Letter) (Henriksen et al), 759; (Reply) (Buhac), 759
Clearance
Reduction in slow intercompartmental clearance of urea during dialysis (Bowsher et al), 489
Collagen
Collagen synthesis and collagenase activity in dermal fibroblasts from patients with diabetes and digital sclerosis (Seibold et al), 664
Collagenase
Collagen synthesis and collagenase activity in dermal fibroblasts from patients with diabetes and digital sclerosis (Seibold et al), 664
Complement
Assessment of mononuclear phagocyte system function by clearance of anti-D–sensitized erythrocytes: The role of complement (Editorial) (Meryhew et al), 277
Complement activation in primary biliary cirrhosis: An in vitro model (Lindgren and Johnson), 432
Conidia
Intracellular and extracellular defenses of human phagocytes against *Blastomyces dermatitidis* conidia and yeasts (Drutz and Frey), 737
Contractile response
Reversible suppression of the vascular contractile response in rats with obstructive jaundice (Bomzon et al), 568
Cornea
Corneal organ cultures in tyrosinemia release chemotactic factors (Lohr et al), 573
Neovascularization produced by angiotensin II (Fernandez et al), 141
Coronary artery disease
Cigarette smoking–induced enhancement of platelet function: Lack of prevention by aspirin in men with coronary artery disease (Davis et al), 479
Counterbalance
Renal counterbalance (Editorial) (Finn), 523
Covalent binding
Covalent binding of acetaldehyde to hepatic proteins during ethanol oxidation (Medina et al), 5
Cutis laxa
Characterization and partial purification of a neutral protease from the serum of a patient with autosomal recessive pulmonary emphysema and cutis laxa (Anderson et al), 537
Cytometry
Pulmonary sarcoidosis: Flow cytometry measurement of lung T cell activation (Mornex et al), 70
Cytoskeleton
Effects of storage conditions on platelet cytoskeletal proteins (Prodouz and Moroff), 560
Platelet cytoskeleton α-actinin in normal and thrombasthenic platelets: Distribution and immunologic characterization (Puszkin et al), 52

D

Deferoxamine
Storage iron exchange in the rat as affected by deferoxamine (Kim et al), 440
Deficiency
Decreased natural killer cell activity in patients with zinc deficiency with sickle cell disease (Tapazoglou et al), 19
Iron deficiency anemia: Mitochondrial α-glycerophosphate dehydrogenase in guinea pig skeletal muscle (Macdonald et al), 11
Synergistic deleterious effects of nitrous oxide exposure and vitamin B_{12} deficiency (O'Leary et al), 428
Deoxyribonucleic acid
IgE and IgG antibody against human (recombinant DNA) insulin in patients with sytemic insulin allergy (Grammer et al), 108
Diabetes
Action of platelet-activating factor on type 1 diabetic human platelets (Greco et al), 410
Collagen synthesis and collagenase activity in dermal fibroblasts from patients with diabetes and digital sclerosis (Seibold et al), 664
Reduced platelet-mediated and enhanced leukocyte-mediated fibrinolysis in experimentally induced diabetes in rats (Winocour and Colwell), 613
Unresponsiveness of plasma mineralocorticoids to angiotensin II in diabetic patients with asymptomatic normoreninemic hypoaldosteronism (Kigoshi et al), 195
Use of aminophenylboronic acid affinity chromatography to measure glycosylated albumin levels (Rendell et al), 63
Dialysis
Reduction in slow intercompartmental clearance of urea during dialysis (Bowsher et al), 489
Diuretic
Differential response of urinary *N*-acetyl-β-D-glucosaminidase to two osmotic diuretics in the dog (Rowe et al), 731
Dopamine
Dopaminergic mediation of the natriuretic response to volume expansion (Krishna et al), 214

E

Elastase
Impairment of elastin resynthesis in the lungs of hamsters with experimental emphysema induced by sequential administration of elastase and trypsin (Osman et al), 254

Quantitative study of secretory cell metaplasia induced by human neutrophil elastase in the large bronchi of hamsters (Breuer et al), 635

Elastin

Impairment of elastin resynthesis in the lungs of hamsters with experimental emphysema induced by sequential administration of elastase and trypsin (Osman et al), 254

Electrophoresis

Quantitative analysis of abnormal hemoglobins by agar gel electrophoresis (Steiman et al), 328

Emphysema

Characterization and partial purification of a neutral proteasc from the serum of a patient with autosomal recessive pulmonary emphysema and cutis laxa (Anderson et al), 537

Impairment of elastin resynthesis in the lungs of hamsters with experimental emphysema induced by sequential administration of elastase and trypsin (Osman et al), 254

Myeloperoxidase-induced inactivation of α_1-antiprotease in hamsters (Zaslow et al), 178

Endothelial cell

Nitrofurantoin-stimulated oxidant production in pulmonary endothelial cells (Martin et al), 23

Prostacyclin production by cultured endothelial cell monolayers exposed to step increases in shear stress (Grabowski et al), 36

Enzyme

Ancrod: Normalization of fibrinolytic enzyme abnormalities in patients with systemic lupus erythematosus and lupus nephritis (Glas-Greenwalt et al), 99

Enzyme immunoassay of anti-glomerular basement membrane antibodies (Fish et al), 700

An enzyme-linked immunosorbent assay for the evaluation of thrombocytopenia induced by heparin (Howe and Lynch), 554

Enzyme-linked immunosorbent assay

Enzyme immunoassay of anti-glomerular basement membrane antibodies (Fish et al), 700

An enzyme-linked immunosorbent assay for the evaluation of thrombocytopenia induced by heparin (Howe and Lynch), 554

Erythrocyte

Adherence properties of sickle erythrocytes in dynamic flow systems (Burns et al), 673

Assessment of mononuclear phagocyte system function by clearance of anti-D–sensitized erythrocytes: The role of complement (Editorial) (Meryhew et al), 277

Does an unfavorable metabolic environment for red cells develop within the cat spleen when abnormal cells become trapped? (Groom et al), 209

Evaluation of red blood cell filterability test: Influences of pore size, hematocrit level, and flow rate (Erratum) (Reinhart et al), 51

Guinea pig and human red cell hemolysates release iron from transferrin (Pollack and Weaver), 629

Normobaric hyperoxia in vivo inhibits fatty acid incorporation into sheep erythrocyte phospholipid in vitro (Dise et al), 89

Red cell distribution width parallels dense red cell disappearance during painful crises in sickle cell anemia (Lawrence et al), 706

A simple model for estimating the hemolytic rate in patients with sickle cell anemia (Chen and Wang), 201

Erythropoiesis

Erythropoietin and inhibitors of in vitro erythropoiesis in the development of anemia in children with renal disease (McGonigle et al), 449

Erythropoietin

Erythropoietin and inhibitors of in vitro erythropoiesis in the development of anemia in children with renal disease (McGonigle et al), 449

Erythropoietin kinetics in normal and uremic sheep (Mladenovic et al), 659

Esophagus

Computerized 24-hour esophageal pH monitoring: A new ambulatory technique using radiotelemetry (Vitale et al), 686

Ethanol

Covalent binding of acetaldehyde to hepatic proteins during ethanol oxidation (Medina et al), 5

Exocrine

Elevated fasting cholecystokinin levels in pancreatic exocrine impairment: Evidence to support feedback regulation (Slaff et al), 282

Eye

Corneal organ cultures in tyrosinemia release chemotactic factors (Lohr et al), 573

Neovascularization produced by angiotensin II (Fernandez et al), 141

F

Factor

Action of platelet-activating factor on type 1 diabetic human platelets (Greco et al), 410

Amplification of primary response of human platelets to platelet-activating factor: Aspirin-sensitive and aspirin-insensitive pathways (Lauri et al), 653

Corneal organ cultures in tyrosinemia release chemotactic factors (Lohr et al), 573

Fibronectin mediates chemotactic factor–stimulated neutrophil substrate adhesion (Marino et al), 725

Factor XII

Inhibitor of Hageman factor (factor XII) by popcorn inhibitor (Kambhu et al), 625

Fatty acid

Normobaric hyperoxia in vivo inhibits fatty acid incorporation into sheep erythrocyte phospholipid in vitro (Dise et al), 89

Feedback

Elevated fasting cholecystokinin levels in pancreatic exocrine impairment: Evidence to support feedback regulation (Slaff et al), 282

Fibrinogen

Loss of fibrinogen receptors from the platelet surface during simulated extracorporeal circulation (Musial et al), 514

Fibrinolysis
Ancrod: Normalization of fibrinolytic enzyme abnormalities in patients with systemic lupus erythematosus and lupus nephritis (Glas-Greenwalt et al), 99
Lupus nephritis with thrombosis and abnormal fibrinolysis: Effect of ancrod (Kant et al), 77
Reduced platelet-mediated and enhanced leukocyte-mediated fibrinolysis in experimentally induced diabetes in rats (Winocour and Colwell), 613
The role of the fibrinolytic system in deep vein thrombosis (Wiman et al), 265
Fibroblast
Collagen synthesis and collagenase activity in dermal fibroblasts from patients with diabetes and digital sclerosis (Seibold et al), 664
Fibronectin
Fibronectin mediates chemotactic factor–stimulated neutrophil substrate adhesion (Marino et al), 725
Fibrosis
Kinetics of inflammation and fibrotic pulmonary changes in a murine model of silicosis (Callis et al), 547
Filterability
Evaluation of red blood cell filterability test: Influences of pore size, hematocrit level, and flow rate (Erratum) (Reinhart et al), 51
Flavoenzyme
Active site–specific inhibition by 1,3-*bis*(2-chloroethyl)-1-nitrosourea of two genetically homologous flavoenzymes: Glutathione reductase and lipoamide dehydrogenase (Ahmad and Frischer), 464
Flow cytometry
Pulmonary sarcoidosis: Flow cytometry measurement of lung T cell activation (Mornex et al), 70
Flow rate
Evaluation of red blood cell filterability test: Influences of pore size, hematocrit level, and flow rate (Erratum) (Reinhart et al), 51
Relationship between urine flow rate and prostaglandin E excretion in human beings (Lifschitz et al), 234
Flow systems
Adherence properties of sickle erythrocytes in dynamic flow systems (Burns et al), 673

G

Gall bladder
Mass spectrometry identification of biliary bile acids in bile from patients with gallstones before and during treatment with chenodeoxycholic acid: An ancillary study of the National Cooperative Gallstone Study (Stellaard et al), 504
Gallstone
Mass spectrometry identification of biliary bile acids in bile from patients with gallstones before and during treatment with chenodeoxycholic acid: An ancillary study of the National Cooperative Gallstone study (Stellaard et al), 504
Gastrin
Specificity of commercially available antibodies used for gastrin measurement (Wolfe et al), 417
Glomerular basement membrane
Enzyme immunoassay of anti-glomerular basement membrane antibodies (Fish et al), 700
Glomerular thrombosis
Selective glomerular thrombosis in rats induced by combined injections of nephrotoxic antiserum and lipopolysaccharide (Naruse et al), 146
Glutathione
Plasma glutathione in health and in patients with malignant disease (Beutler and Gelbart), 581
Glutathione reductase
Active site–specific inhibition by 1,3-*bis*(2-chloroethyl)-1-nitrosourea of two genetically homologous flavoenzymes: Glutathione reductase and lipoamide dehydrogenase (Ahmad and Frischer), 464
α-Glycerophosphate dehydrogenase
Iron deficiency anemia: Mitochondrial α-glycerophosphate dehydrogenase in guinea pig skeletal muscle (Macdonald et al), 11
Glycosylation
Use of aminophenylboronic acid affinity chromatography to measure glycosylated albumin levels (Rendell et al), 63
Granulocyte
Purification of functional RNA from human granulocytes (Yang and Miller), 94

H

Hageman factor
Inhibition of Hageman factor (factor XII) by popcorn inhibitor (Kambhu et al), 625
Heart
Platelet release in coronary heart disease: Effect of antiplatelet drugs and coronary artery bypass graft (Al-Mondhiry et al), 397
Specificity of persistence of antibody to the streptococcal group A carbohydrate in rheumatic valvular heart disease (Appleton et al), 114
Studies of streptococcal membrane antigen–binding cells in acute rheumatic fever (Williams et al), 531
Hematopoiesis
Chronic inflammation impairs hematopoiesis and survival after irradiation (DeGowin and Lass), 299
Human cyclic hematopoiesis is associated with aberrant purine metabolism (Osborne et al), 403
Heme
Regulation of heme metabolism in normal and sideroblastic bone marrow cells in culture (Ibraham et al), 593
Hemodialysis
Heparin dosage during hemodialysis (Letter) (Buccianti et al), 139; (Reply) (Lane et al), 139
Hemodynamics
Renal hemodynamic and tubular transport effects of nitrendipine (Wallia et al), 498

Hemoglobin
Quantitative analysis of abnormal hemoglobins by agar gel electrophoresis (Steiman et al), 328
Hemolysate
Guinea pig and human red cell hemolysates release iron from transferrin (Pollack and Weaver), 629
Hemolysis
A simple model for estimating the hemolytic rate in patients with sickle cell anemia (Chen and Wang), 201
Hemostasis
Clinical and laboratory investigation of the effects of ε-aminocaproic acid on hemostasis (Green et al), 321
Heparin
Catalytic activity and platelet reactivity of heparin covalently bonded to surfaces (Lindon et al), 219
An enzyme-linked immunosorbent assay for the evaluation of thrombocytopenia induced by heparin (Howe and Lynch), 554
Heparin dosage during hemodialysis (Letter) (Buccianti et al), 139; (Reply) (Lane et al), 139
Hepatectomy
Course of hepatic regeneration after 80% to 90% resection of normal rat liver: Comparison with two-lobe and one-lobe hepatectomy (Zieve et al), 331
Hepatic proteins
Covalent binding of acetaldehyde to hepatic proteins during ethanol oxidation (Medina et al), 5
Hepatocyte
Inhibition of plasminogen activators by conditioned medium of human hepatocytes and hepatoma cell line Hep G2 (Sprengers et al), 751
Hepatoma
Inhibition of plasminogen activators by conditioned medium of human hepatocytes and hepatoma cell line Hep G2 (Sprengers et al), 751
Hodgkin's disease
The Hodgkin's cell in nodular sclerosis does not release interleukin-1 (Newcorn), 170
Hormone
Actions of parathyroid hormone are not impaired during chronic metabolic acidosis (Wong et al), 472
Hydrogen
Effect of ventilation on breath hydrogen measurements (Perman et al), 436
Intestinal metabolism of a random-bonded polyglucose bulking agent in humans: In vitro and in vivo studies of hydrogen evolution (Solomons and Rosenthal), 585
Hypercholesterolemia
Perfusion studies on the formation of mural thrombi with cholesterol-modified and hypercholesterolemic platelets (Tandon et al), 157
Hyperoxia
Normobaric hyperoxia in vivo inhibits fatty acid incorporation into sheep erythrocyte phospholipid in vitro (Dise et al), 89
Hypertension
Reversal of renovascular hypertension: A comparison of changes in blood pressure, plasma renin, and sodium balance in two models in rats (Godfrey et al), 679
Hypoaldosteronism
Unresponsiveness of plasma mineralocorticoids to angiotensin II in diabetic patients with asymptomatic normoreninemic hypoaldosteronism (Kigoshi et al), 195
Hypocalcemia
Soft tissue calcium and magnesium content in acute pancreatitis in the dog: Calcium accumulation, a mechanism for hypocalcemia in acute pancreatitis (Bhattacharya et al), 422
Hypochlorite
Hypochlorite radioiodination of parathyroid peptides ($hPTH^{1-34}$, $[Tyr^{43}]hPTH^{44-68}$) (Orwoll et al), 247

I

Immunoassay
Enzyme immunoassay of anti-glomerular basement membrane antibodies (Fish et al), 700
Immunoglobulin
Analysis of immunoglobulin G kinetics in the nonsteady state (Charlton et al), 312
IgE and IgG antibody against human (recombinant DNA) insulin in patients with systemic insulin allergy (Grammer et al), 108
Indium 111
Indium 111 toxicity in the human lymphocyte (Silberstein et al), 608
Inflammation
Chronic inflammation impairs hematopoiesis and survival after irradiation (DeGowin and Lass), 299
Kinetics of inflammation and fibrotic pulmonary changes in a murine model of silicosis (Callis et al), 547
Influenza virus
Effect of prior influenza virus infections on susceptibility of AKR/J mice to respiratory challenge with *Legionella pneumophila* (Berendt and Jaax), 124
Inhibition
Active site–specific inhibition by 1,3-*bis*(2-chloroethyl)-1-nitrosourea of two genetically homologous flavoenzymes: Glutathione reductase and lipoamide dehydrogenase (Ahmad and Frischer), 464
Inhibition of plasminogen activators by conditioned medium of human hepatocytes and hepatoma cell line Hep G2 (Sprengers et al), 751
Inhibitor
Erythropoietin and inhibitors of in vitro erythropoiesis in the development of anemia in children with renal disease (McGonigle et al), 449
Identification of renin inhibitors in normal and uremic plasma (Kotchen et al), 286
Inhibition of Hageman factor (factor XII) by popcorn inhibitor (Kambhu et al), 625

Plasma prekallikrein assay: Reversible inhibition of C1 inhibitor by chloroform and its use in measuring prekallikrein in different mammalian species (Erratum) (Schmaier et al), 600
α_2-Plasmin inhibitor metabolism in patients with liver cirrhosis (Knot et al), 353
Tissue plasminogen activator inhibitor in human plasma: Development of a functional assay system and demonstration of a correlating M_r = 50,000 antiactivator (Korninger et al), 718

Insulin
IgE and IgG antibody against human (recombinant DNA) insulin in patients with systemic insulin allergy (Grammer et al), 108

Interleukin-1
The Hodgkin's cell in nodular sclerosis does not release interleukin-1 (Newcom), 170

Intestine
Intestinal metabolism of a random-bonded polyglucose bulking agent in humans: In vitro and in vivo studies of hydrogen evolution (Solomons and Rosenthal), 585
A simple method for measurement of intestinal calcium absorption in humans by double-isotope technique (Griessen et al), 641

Iron
Guinea pig and human red cell hemolysates release iron from transferrin (Pollack and Weaver), 629
Iron deficiency anemia: Mitochondrial α-glycerophosphate dehydrogenase in guinea pig skeletal muscle (Macdonald et al), 11
Noninvasive analysis of skin iron and zinc levels in β-thalassemia major and intermedia (Gorodetsky et al), 44
Storage iron exchange in the rat as affected by deferoxamine (Kim et al), 440

Irradiation
Chronic inflammation impairs hematopoiesis and survival after irradiation (DeGowin and Lass), 299

Isotope
A simple method for measurement of intestinal calcium absorption in humans by double-isotope technique (Griessen et al), 641

J

Jaundice
Reversible suppression of the vascular contractile response in rats with obstructive jaundice (Bomzon et al), 568

K

Kallikrein
Plasma kallikrein and prorenin in patients with hereditary angioedema (Purdon et al), 694

Kidney
Dopaminergic mediation of the natriuretic response to volume expansion (Krishna et al), 214
Erythropoietin and inhibitors of in vitro erythropoiesis in the development of anemia in children with renal disease (McGonigle et al), 449
Free radical scavengers in mercuric chloride–induced acute renal failure in the rat (Paller), 459
Heparin dosage during hemodialysis (Letter) (Buccianti et al), 139; (Reply) (Lane et al), 139
Lupus nephritis with thrombosis and abnormal fibrinolysis: Effect of ancrod (Kant et al), 77
Reduction in slow intercompartmental clearance of urea during dialysis (Bowsher et al), 489
Relationship between urine flow rate and prostaglandin E excretion in human beings (Lifschitz et al), 234
Renal counterbalance (Editorial) (Finn), 523
Renal hemodynamic and tubular transport effects of nitrendipine (Wallia et al), 498
Renal secretion of phenolsulfonphthalein: Analysis of its vectorial transport in normal and mutant analbuminemic rats (Inoue et al), 484
Reversal of renovascular hypertension: A comparison of changes in blood pressure, plasma renin, and sodium balance in two models in rats (Godfrey et al), 679
Selective glomerular thrombosis in rats induced by combined injections of nephrotoxic antiserum and lipopolysaccharide (Naruse et al), 146
Studies on the mechanism for renal elimination of *N*-acetylphenylalanine: Its pathophysiologic significance in phenylketonuria (Okajima et al), 132
Unresponsiveness of plasma mineralocorticoids to angiotensin II in diabetic patients with asymptomatic normoreninemic hypoaldosteronism (Kigoshi et al), 195
Vasodilator properties of a family of bioactive atrial peptides in isolated perfused rat kidneys (Wakitani et al), 349

Killer cell
Decreased natural killer cell activity in patients with zinc deficiency with sickle cell disease (Tapazoglou et al), 19

Kinetics
Analysis of immunoglobulin G kinetics in the non-steady state (Charlton et al), 312
Erythropoietin kinetics in normal and uremic sheep (Mladenovic et al), 659
Kinetics of inflammatory and fibrotic pulmonary changes in a murine model of silicosis (Callis et al), 547

L

Laminin
Laminin selectively enhances monocyte-macrophage–mediated tumoricidal activity (Perri et al), 30

Legionella pneumophila
Effect of prior influenza virus infections on susceptibility of AKR/J mice to respiratory challenge with *Legionella pneumophila* (Berendt and Jaax), 124

Legionnaires' disease
Effect of prior influenza virus infections on susceptibility of AKR/J mice to respiratory challenge with *Legionella pneumophila* (Berendt and Jaax), 124

Leukocyte
Reduced platelet-mediated and enhanced leukocyte-mediated fibrinolysis in experimentally induced diabetes in rats (Winocour and Colwell), 613

Leukostasis
Distribution of *pneumococcus*-induced augmentation of tissue leukostasis in rabbits: Specificity for the pulmonary vascular bed (Goldblum and Reed), 374
Linoleic acid
Absorption of ^{13}C-labeled stearic, oleic, and linoleic acids in humans: Application to breath tests (Jones et al), 647
Lipoamide dehydrogenase
Active site–specific inhibition by 1,3-*bis*(2-chloroethyl)-1-nitrosourea of two genetically homologous flavoenzymes: Gluthathione reductase and lipoamide dehydrogenase (Ahmad and Frischer), 464
Lipopolysaccharide
Selective glomerular thrombosis in rats induced by combined injections of nephrotoxic antiserum and lipopolysaccharide (Naruse et al), 146
Liver
Acetaminophen liver injury: Sequential changes in two biochemical indices of regeneration and their relationship to histologic alterations (Zieve et al), 619
Biosynthesis of plasminogen by the perfused rat liver (Owens and Cimino), 368
Changes in the reticuloendothelial phagocytic function after partial hepatectomy (Arii et al), 668
Complement activation in primary biliary cirrhosis: An in vitro model (Lindgren and Johnson), 432
Course of hepatic regeneration after 80% to 90% resection of normal rat liver: Comparison with two-lobe and one-lobe hepatectomy (Zieve et al), 331
Covalent binding of acetaldehyde to hepatic proteins during ethanol oxidation (Medina et al), 5
Effect of a transported ligand on the binding of albumin to rat liver cells (Fleischer et al), 185
Origin of plasma lysophosphatidylcholine: Evidence for direct hepatic secretion in the rat (Sekas et al), 190
α_2-Plasmin inhibitor metabolism in patients with liver cirrhosis (Knot et al), 353
Resorption of ascites in decompensated cirrhosis (Letter) (Henriksen et al), 759; (Reply) (Buhac), 759
Storage iron exchange in the rat as affected by deferoxamine (Kim et al), 440
Lung
α-Adrenergic responses in asthma (Davis et al), 164
Characterization and partial purification of a neutral protease from the serum of a patient with autosomal recessive pulmonary emphysema and cutis laxa (Anderson et al), 537
Distribution of *pneumococcus*-induced augmentation of tissue leukostasis in rabbits: Specificity for the pulmonary vascular bed (Goldblum and Reed), 374
Effect of ventilation on breath hydrogen measurements (Perman et al), 436
Impairment of elastin resynthesis in the lungs of hamsters with experimental emphysema induced by sequential administration of elastase and trypsin (Osman et al), 254
Kinetics of inflammatory and fibrotic pulmonary changes in a murine model of silicosis (Callis et al), 547
Myeloperoxidase-induced inactivation of α_1-antiprotease in hamsters (Zaslow et al), 178
Nitrofurantoin-stimulated oxidant production in pulmonary endothelial cells (Martin et al), 23
Pulmonary sarcoidosis: Flow cytometry measurement of lung T cell activation (Mornex et al), 70
Quantitative study of secretory cell metaplasia induced by human neutrophil elastase in the large bronchi of hamsters (Breuer et al), 635
Lupus nephritis
Ancrod: Normalization of fibrinolytic enzyme abnormalities in patients with systemic lupus erythematosus and lupus nephritis (Glas-Greenwalt et al), 99
Lupus nephritis with thrombosis and abnormal fibrinolysis: Effect of ancrod (Kant et al), 77
Lymphocyte
The Hodgkin's cell in nodular sclerosis does not release interleukin-1 (Newcom), 170
Indium 111 toxicity in the human lymphocyte (Silberstein et al), 608
Pulmonary sarcoidosis: Flow cytometry measurement of lung T cell activation (Mornex et al), 70
Lysophosphatidylcholine
Origin of plasma lysophosphatidylcholine: Evidence for direct hepatic secretion in the rat (Sekas et al), 190

M

Macrophage
Laminin selectively enhances monocyte-macrophage–mediated tumoricidal activity (Perri et al), 30
Magnesium
Soft tissue calcium and magnesium content in acute pancreatitis in the dog: Calcium accumulation, a mechanism for hypocalcemia in acute pancreatitis (Bhattacharya et al), 422
Malignant disease
Plasma glutathione in health and in patients with malignant disease (Beutler and Gelbart), 581
Mass
Assessment of cellular mass and lean body mass by noninvasive nuclear techniques (Cohn et al), 305
Mass spectrometry
Mass spectrometry identification of biliary bile acids in bile from patients with gallstones before and during treatment with chenodeoxycholic acid: An ancillary study of the National Cooperative Gallstone Study (Stellaard et al), 504
Mercuric chloride
Free radical scavengers in mercuric chloride–induced acute renal failure in the rat (Paller), 459
Metabolism
Human cyclic hematopoiesis is associated with aberrant purine metabolism (Osborne et al), 403
Intestinal metabolism of a random-bonded polyglucose bulking agent in humans: In vitro and in vivo studies of hydrogen evolution (Solomons and Rosenthal), 585
Regulation of heme metabolism in normal and sideroblastic bone marrow cells in culture (Ibraham et al), 593

Metaplasia
Quantitative study of secretory cell metaplasia induced by human neutrophil elastase in the large bronchi of hamsters (Breuer et al), 635
Microplate
Microplate solid-phase radioimmunoassay for rat prolactin (Beach et al), 294
Mineralocorticoid
Unresponsiveness of plasma mineralocorticoids to angiotensin II in diabetic patients with asymptomatic normoreninemic hypoaldosteronism (Kigoshi et al), 195
Mitochondria
Iron deficiency anemia: Mitochondrial α-glycerophosphate dehydrogenase in guinea pig skeletal muscle (Macdonald et al), 11
Monocyte
Laminin selectively enhances monocyte-macrophage–mediated tumoricidal activity (Perri et al), 30
Monolayer
Prostacyclin production by cultured endothelial cell monolayers exposed to step increases in shear stress (Grabowski et al), 36
Myeloperoxidase
Myeloperoxidase-induced inactivation of α_1-antiprotease in hamsters (Zaslow et al), 178

N

National Cooperative Gallstone Study
Mass spectrometry identification of biliary bile acids in bile from patients with gallstones before and during treatment with chenodeoxycholic acid: An ancillary study of the National Cooperative Gallstone Study (Stellaard et al), 504
Natriuresis
Dopaminergic mediation of the natriuretic response to volume expansion (Krishna et al), 214
Natural killer cell
Decreased natural killer cell activity in patients with zinc deficiency with sickle cell disease (Tapazoglou et al), 19
Neonate
Elevation of a calcium fraction tightly bound to serum proteins in maternal blood at delivery and in cord blood from newborn infants (Wortsman and Kaufmann), 337
Neovascularization
Neovascularization produced by angiotensin II (Fernandez et al), 141
Neutrophil
Fibronectin mediates chemotactic factor–stimulated neutrophil substrate adhesion (Marino et al), 725
Quantitative study of secretory cell metaplasia induced by human neutrophil elastase in the large bronchi of hamsters (Breuer et al), 635
Nitrendipine
Renal hemodynamic and tubular transport effects of nitrendipine (Wallia et al), 498
Nitrofurantoin
Nitrofurantoin-stimulated oxidant production in pulmonary endothelial cells (Martin et al), 23
Nitrous oxide
Synergistic deleterious effects of nitrous oxide exposure and vitamin B_{12} deficiency (O'Leary et al), 428
Nutrition, total parenteral
Urinary C-peptide measurements in patients receiving continuous and cyclic total parenteral nutrition (Wood et al), 259

O

Oleic acid
Absorption of ^{13}C-labeled stearic, oleic, and linoleic acids in humans: Application to breath tests (Jones et al), 647
Oxidant
Nitrofurantoin-stimulated oxidant production in pulmonary endothelial cells (Martin et al), 23

P

Pancreas
Elevated fasting cholecystokinin levels in pancreatic exocrine impairment: Evidence to support feedback regulation (Slaff et al), 282
Soft tissue calcium and magnesium content in acute pancreatitis in the dog: Calcium accumulation, a mechanism for hypocalcemia in acute pancreatitis (Bhattacharya et al), 422
Parathyroid hormone
Actions of parathyroid hormone are not impaired during chronic metabolic acidosis (Wong et al), 472
Hypochlorite radioiodination of parathyroid peptides ($hPTH^{1-34}$, $[Tyr^{43}]hPTH^{44-68}$) (Orwoll et al), 247
Peptide
Hypochlorite radioiodination of parathyroid peptides ($hPTH^{1-34}$, $[Tyr^{43}]hPTH^{44-68}$) (Orwoll et al), 247
Vasodilator properties of a family of bioactive atrial peptides in isolated perfused rat kidneys (Wakitani et al), 349
Perfusion
Perfusion studies on the formation of mural thrombi with cholesterol-modified and hypercholesterolemic platelets (Tandon et al), 157
pH monitoring
Computerized 24-hour esophageal pH monitoring: A new ambulatory technique using radiotelemetry (Vitale et al), 686
Phagocyte
Assessment of mononuclear phagocyte system function by clearance of anti-D–sensitized erythrocytes: The role of complement (Editorial) (Meryhew et al), 277
Changes in the reticuloendothelial phagocytic function after partial hepatectomy (Arii et al), 668
Intracellular and extracellular defenses of human phagocytes against *Blastomyces dermatitidis* conidia and yeasts (Drutz and Frey), 737
Phenolsulfonphthalein
Renal secretion of phenolsulfonphthalein: Analysis of its vectorial transport in normal and mutant analbuminemic rats (Inoue et al), 484

Phenylketonuria
Studies on the mechanism for renal elimination of *N*-acetylphenylalanine: Its pathophysiologic significance in phenylketonuria (Okajima et al), 132
Phosphatase
Quantitative analysis of alkaline phosphatases in serum and amniotic fluid: Comparison of biochemical and immunologic assays (Mulivor et al), 342
Phospholipid
Normobaric hyperoxia in vivo inhibits fatty acid incorporation into sheep erythrocyte phospholipid in vitro (Dise et al), 89
Plasma
Identification of renin inhibitors in normal and uremic plasma (Kotchen et al), 286
Origin of plasma lysophosphatidylcholine: Evidence for direct hepatic secretion in the rat (Sekas et al), 190
Plasma glutathione in health and in patients with malignant disease (Beutler and Gelbart), 581
Plasma kallikrein and prorenin in patients with hereditary angioedema (Purdon et al), 694
Plasma prekallikrein assay: Reversible inhibition of $C\bar{1}$ inhibitor by chloroform and its use in measuring prekallikrein in different mammalian species (Erratum) (Schmaier et al), 600
Tissue plasminogen activator inhibitor in human plasma: Development of a functional assay system and demonstration of a correlating M_r = 50,000 antiactivator (Korninger et al), 718
Unresponsiveness of plasma mineralocorticoids to angiotensin II in diabetic patients with asymptomatic normoreninemic hypoaldosteronism (Kigoshi et al), 195
α_2-Plasmin inhibitor
α_2-Plasmin inhibitor metabolism in patients with liver cirrhosis (Knot et al), 353
Plasminogen
Biosynthesis of plasminogen by the perfused rat liver (Owens and Cimino), 368
Inhibition of plasminogen activators by conditioned medium of human hepatocytes and hepatoma cell line Hep G2 (Sprengers et al), 751
Tissue plasminogen activator inhibitor in human plasma: Development of a functional assay system and demonstration of a correlating M_r = 50,000 antiactivator (Korninger et al), 718
Platelet
Action of platelet-activating factor on type 1 diabetic human platelets (Greco et al), 410
Adrenaline and adenosine diphosphate–induced platelet aggregation require shape change. Importance of pseudopods (Erratum) (Milton and Frojmovic), 592
Amplification of primary response of human platelets to platelet-activating factor: Aspirin-sensitive and aspirin-insensitive pathways (Lauri et al), 653
Catalytic activity and platelet reactivity of heparin covalently bonded to surfaces (Lindon et al), 219
Cigarette smoking–induced enhancement of platelet function: Lack of prevention by aspirin in men with coronary artery disease (Davis et al), 479
Effects of storage conditions on platelet cytoskeletal proteins (Prodouz and Moroff), 560
Influence of platelet volume on the ability of prostacyclin to inhibit platelet aggregation and the release reaction (Jakubowski et al), 271
Loss of fibrinogen receptors from the platelet surface during simulated extracorporeal circulation (Musial et al), 514
Loss of platelet α_2-adrenergic receptors during simulated extracorporeal circulation: Prevention with prostaglandin E_1 (Wachtfogel et al), 601
Perfusion studies on the formation of mural thrombi with cholesterol-modified and hypercholesterolemic platelets (Tandon et al), 157
Platelet cytoskeleton α-actinin in normal and thrombasthenic platelets: Distribution and immunologic characterization (Puszkin et al), 52
Platelet release in coronary heart disease: Effect of antiplatelet drugs and coronary artery bypass graft (Al-Mondhiry et al), 397
Reduced platelet-mediated and enhanced leukocyte-mediated fibrinolysis in experimentally induced diabetes in rats (Winocour and Colwell), 613
Platelet-activating factor
Amplification of primary response of human platelets to platelet-activating factor: Aspirin-sensitive and aspirin-insensitive pathways (Lauri et al), 653
Pneumococcus
Distribution of *pneumococcus*-induced augmentation of tissue leukostasis in rabbits: Specificity for the pulmonary vascular bed (Goldblum and Reed), 374
Polyglucose
Intestinal metabolism of a random-bonded polyglucose bulking agent in humans: In vitro and in vivo studies of hydrogen evolution (Solomons and Rosenthal), 585
Popcorn inhibitor
Inhibition of Hageman factor (factor XII) by popcorn inhibitor (Kambhu et al), 625
Prekallikrein
Plasma prekallikrein assay: Reversible inhibition of $C\bar{1}$ inhibitor by chloroform and its use in measuring prekallikrein in different mammalian species (Erratum) (Schmaier et al), 600
Primary biliary cirrhosis
Complement activation in primary biliary cirrhosis: An in vitro model (Lindgren and Johnson), 432
Prolactin
Microplate solid-phase radioimmunoassay for rat prolactin (Beach et al), 294
Prorenin
Plasma kallikrein and prorenin in patients with hereditary angioedema (Purdon et al), 694
Prostacyclin
Influence of platelet volume on the ability of prostacyclin to inhibit platelet aggregation and the release reaction (Jakubowski et al), 271

Prostacyclin production by cultured endothelial cell monolayers exposed to step increases in shear stress (Grabowski et al), 36

Prostaglandin

Loss of platelet α_2-adrenergic receptors during simulated extracorporeal circulation: Prevention with prostaglandin E_1 (Wachtfogel et al), 601

Relationship between urine flow rate and prostaglandin E excretion in human beings (Lifschitz et al), 234

Protease

Characterization and partial purification of a neutral protease from the serum of a patient with autosomal recessive pulmonary emphysema and cutis laxa (Anderson et al), 537

Protein

Covalent binding of acetaldehyde to hepatic proteins during ethanol oxidation (Medina et al), 5

Effects of storage conditions on platelet cytoskeletal proteins (Prodouz and Moroff), 560

Elevation of a calcium fraction tightly bound to serum proteins in maternal blood at delivery and in cord blood from newborn infants (Wortsman and Kaufmann), 337

Pseudopod

Adrenaline and adenosine diphosphate–induced platelet aggregation require shape change. Importance of pseudopods (Erratum) (Milton and Frojmovic), 592

Pulmonary sarcoidosis

Pulmonary sarcoidosis: Flow cytometry measurement of lung T cell activation (Mornex et al), 70

Purine

Human cyclic hematopoiesis is associated with aberrant purine metabolism (Osborne et al), 403

R

Radical

Free radical scavengers in mercuric chloride–induced acute renal failure in the rat (Paller), 459

Radioimmunoassay

Microplate solid-phase radioimmunoassay for rat prolactin (Beach et al), 294

Radioiodination

Hypochlorite radioiodination of parathyroid peptides ($hPTH^{1-34}$, $[Tyr^{43}]hPTH^{44-68}$) (Orwoll et al), 247

Radioreceptor

Radioreceptor assay for β-adrenergic receptor–reactive catecholamines in serum samples (Iwo et al), 711

Radiotelemetry

Computerized 24-hour esophageal pH monitoring: A new ambulatory technique using radiotelemetry (Vitale et al), 686

Receptor

Loss of fibrinogen receptors from the platelet surface during simulated extracorporeal circulation (Musial et al), 514

Radioreceptor assay for β-adrenergic receptor–reactive catecholamines in serum samples (Iwo et al), 711

Recombinant deoxyribonucleic acid

IgE and IgG antibody against human (recombinant DNA) insulin in patients with systemic insulin allergy (Grammer et al), 108

Red blood cell

Adherence properties of sickle erythrocytes in dynamic flow systems (Burns et al), 673

Assessment of mononuclear phagocytic system function by clearance of anti-D–sensitized erythrocytes: The role of complement (Editorial) (Meryhew et al), 277

Does an unfavorable metabolic environment for red cells develop within the cat spleen when abnormal cells become trapped? (Groom et al), 209

Evaluation of red blood cell filterability test: Influences of pore size, hematocrit level, and flow rate (Erratum) (Reinhart et al), 51

Guinea pig and human red cell hemolysates release iron from transferrin (Pollack and Weaver), 629

Normobaric hyperoxia in vivo inhibits fatty acid incorporation into sheep erythrocyte phospholipid in vitro (Dise et al), 89

Red cell distribution width parallels dense red cell disappearance during painful crises in sickle cell anemia (Lawrence et al), 706

A simple model for estimating the hemolytic rate in patients with sickle cell anemia (Chen and Wang), 201

Regeneration

Acetaminophen liver injury: Sequential changes in two biochemical indices of regeneration and their relationsip to histologic alterations (Zieve et al), 619

Course of hepatic regeneration after 80% to 90% resection of normal rat liver: Comparison with two-lobe and one-lobe hepatectomy (Zieve et al), 331

Reiter's syndrome

Antibodies against *Yersinia enterocolitica* in patients with Reiter's syndrome (Kobayashi et al), 380

Release reaction

Influence of platelet volume on the ability of prostacyclin to inhibit platelet aggregation and the release reaction (Jakubowski et al), 271

Renal counterbalance

Renal counterbalance (Editorial) (Finn), 523

Renal disease

Erythropoietin and inhibitors of in vitro erythropoiesis in the development of anemia in children with renal disease (McGonigle et al), 449

Renal failure

Free radical scavengers in mercuric chloride–induced acute renal failure in the rat (Paller), 459

Renin

Identification of renin inhibitors in normal and uremic plasma (Kotchen et al), 286

Reversal of renovascular hypertension: A comparison of changes in blood pressure, plasma renin, and sodium balance in two models in rats (Godfrey et al), 679

Reticuloendothelial system

Changes in the reticuloendothelial phagocytic function after partial hepatectomy (Arii et al), 668

Reviewers' list, 1

Rheumatic fever
Specificity of persistence of antibody to the streptococcal group A carbohydrate in rheumatic valvular heart disease (Appleton et al), 114
Studies of streptococcal membrane antigen–binding cells in acute rheumatic fever (Williams et al), 531

Ribonucleic acid
Purification of functional RNA from human granulocytes (Yang and Miller), 94

S

Scavenger
Free radical scavengers in mercuric chloride–induced acute renal failure in the rat (Paller), 459

Sclerosis, digital
Collagen synthesis and collagenase activity in dermal fibroblasts from patients with diabetes and digital sclerosis (Seibold et al), 664

Sclerosis, nodular
The Hodgkin's cell in nodular sclerosis does not release interleukin-1 (Newcom), 170

Secretory cell
Quantitative study of secretory cell metaplasia induced by human neutrophil elastase in the large bronchi of hamsters (Breuer et al), 635

Serum
Characterization and partial purification of a neutral protease from the serum of a patient with autosomal recessive pulmonary emphysema and cutis laxa (Anderson et al), 537
Elevation of a calcium fraction tightly bound to serum proteins in maternal blood at delivery and in cord blood from newborn infants (Wortsman and Kaufmann), 337
Quantitative analysis of alkaline phosphatases in serum and amniotic fluid: Comparison of biochemical and immunologic assays (Mulivor et al), 342
Radioreceptor assay for β-adrenergic receptor–reactive catecholamines in serum samples (Iwo et al), 711

Shear stress
Prostacyclin production by cultured endothelial cell monolayers exposed to step increases in shear stress (Grabowski et al), 36

Sickle cell
Adherence properties of sickle erythrocytes in dynamic flow systesm (Burns et al), 673
Decreased natural killer cell activity in patients with zinc deficiency with sickle cell disease (Tapazoglou et al), 19
Red cell distribution width parallels dense red cell disappearance during painful crises in sickle cell anemia (Lawrence et al), 706
A simple model for estimating the hemolytic rate in patients with sickle cell anemia (Chen and Wang), 201

Sickle cell anemia
Red cell distribution width parallels dense red cell disappearance during painful crises in sickle cell anemia (Lawrence et al), 706

Sideroblastic anemia
Regulation of heme metabolism in normal and sideroblastic bone marrow cells in culture (Ibraham et al), 593

Silicosis
Kinetics of inflammatory and fibrotic pulmonary changes in a murine model of silicosis (Callis et al), 547

Skin
Collagen synthesis and collagenase activity in dermal fibroblasts from patients with diabetes and digital sclerosis (Seibold et al), 664
Noninvasive analysis of skin iron and zinc levels in β-thalassemia major and intermedia (Gorodetsky et al), 44

Smoking
Cigarette smoking–induced enhancement of platelet function: Lack of prevention by aspirin in men with coronary artery disease (Davis et al), 479

Sodium
Reversal of renovascular hypertension: A comparison of changes in blood pressure, plasma renin, and sodium balance in two models in rats (Godfrey et al), 679

Spleen
Does an unfavorable metabolic environment for red cells develop within the cat spleen when abnormal cells become trapped? (Groom et al), 209

Stearic acid
Absorption of ^{13}C-labeled stearic, oleic, and linoleic acids in humans: Application to breath tests (Jones et al), 647

Storage
Effects of storage conditions on platelet cytoskeletal proteins (Prodouz and Moroff), 560

Storage iron
Storage iron exchange in the rat as affected by deferoxamine (Kim et al), 440

Streptococcal group A carbohydrate
Specificity of persistence of antibody to the streptococcal group A carbohydrate in rheumatic valvular heart disease (Appleton et al), 114

Streptococcal membrane antigen
Studies of streptococcal membrane antigen–binding cells in acute rheumatic fever (Williams et al), 531

Systemic lupus erythematosus
Ancrod: Normalization of fibrinolytic enzyme abnormalities in patients with systemic lupus erythematosus and lupus nephritis (Glas-Greenwalt et al), 99
Lupus nephritis with thrombosis and abnormal fibrinolysis: Effect of ancrod (Kant et al), 77

T

T cell
Pulmonary sarcoidosis: Flow cytometry measurement of lung T cell activation (Mornex et al), 70

Testicular lesions
Testicular lesions in Whipple's disease (James et al), 359

β-Thalassemia
Noninvasive analysis of skin iron and zinc levels in β-thalassemia major and intermedia (Gorodetsky et al), 44

Thiobarbituric acid
Use of aminophenylboronic acid affinity chromatography to measure glycosylated albumin levels (Rendell et al), 63
Thrombasthenia
Platelet cytoskeleton α-actinin in normal and thrombasthenic platelets: Distribution and immunologic characterization (Puszkin et al), 52
Thrombocytopenia
An enzyme-linked immunosorbent assay for the evaluation of thrombocytopenia induced by heparin (Howe and Lynch), 554
β-Thromboglobulin
Heparin dosage during hemodialysis (Letter) (Buccianti et al), 139; (Reply) (Lane et al), 139
Thrombosis
Lupus nephritis with thrombosis and abnormal fibrinolysis: Effect of ancrod (Kant et al), 77
The role of the fibrinolytic system in deep vein thrombosis (Wiman et al), 265
Selective glomerular thrombosis in rats induced by combined injections of nephrotoxic antiserum and lipopolysaccharide (Naruse et al), 146
Thrombus
Perfusion studies on the formation of mural thrombi with cholesterol-modified and hypercholesterolemic platelets (Tandon et al), 157
Tissue
Acetaminophen liver injury: Sequential changes in two biochemical indices of regeneration and their relationship to histologic alterations (Zieve et al), 619
Tissue plasminogen activator
Tissue plasminogen activator inhibitor in human plasma: Development of a functional assay system and demonstration of a correlating M_r = 50,000 antiactivator (Korninger et al), 718
Toxicity
Indium 111 toxicity in the human lymphocyte (Silberstein et al), 608
Transferrin
Guinea pig and human red cell hemolysates release iron from transferrin (Pollack and Weaver), 629
Transport
Renal hemodynamic and tubular transport effects of nitrendipine (Wallia et al), 498
Renal secretion of phenolsulfonphthalein: Analysis of its vectorial transport in normal and mutant analbuminemic rats (Inoue et al), 484
Trypsin
Impairment of elastin resynthesis in the lungs of hamsters with experimental emphysema induced by sequential administration of elastase and trypsin (Osman et al), 254
Tumor cells
Laminin selectively enhances monocyte-macrophage–mediated tumoricidal activity (Perri et al), 30
Tyrosinemia
Corneal organ cultures in tyrosinemia release chemotactic factors (Lohr et al), 573

U

Ultrasound imaging
Autopsy calibration of carotid artery B-mode ultrasound imaging: Effects of pressure on residual lumen size (Chin et al), 120
Urea
Reduction in slow intercompartmental clearance of urea during dialysis (Bowsher et al), 489
Uremia
The compartmentalization and metabolism of aluminum in uremic rats (Alfrey et al), 227
Erythropoietin kinetics in normal and uremic sheep (Mladenovic et al), 659
Identification of renin inhibitors in normal and uremic plasma (Kotchen et al), 286
Urine
Differential response of urinary *N*-acetyl-β-D-glucosaminidase to two osmotic diuretics in the dog (Rowe et al), 731
Dopaminergic mediation of the natriuretic response to volume expansion (Krishna et al), 214
Relationship between urine flow rate and prostaglandin E excretion in human beings (Lifschitz et al), 234
Studies on the mechanism for renal elimination of *N*-acetylphenylalanine: Its pathophysiologic significance in phenylketonuria (Okajima et al), 132
Urinary C-peptide measurements in patients receiving continuous and cyclic total parenteral nutrition (Wood et al), 259

V

Vasodilator
Vasodilator properties of a family of bioactive atrial peptides in isolated perfused rat kidneys (Wakitani et al), 349
Ventilation
Effect of ventilation on breath hydrogen measurements (Perman et al), 436
Videomicroscopy
Prostacyclin production by cultured endothelial cell monolayers exposed to step increases in shear stress (Grabowski et al), 36
Virus
Effect of prior influenza virus infections on susceptibility of AKR/J mice to respiratory challenge with *Legionella pneumophila* (Berendt and Jaax), 124
Vitamin B_{12}
Synergistic deleterious effects of nitrous oxide exposure and vitamin B_{12} deficiency (O'Leary et al), 428
Vitamin D_3
Pharmacokinetics and biologic effects of calcitriol in normal humans (Levine et al), 239
Volume
Dopaminergic mediation of the natriuretic response to volume expansion (Krishna et al), 214

W

Whipple's disease
Testicular lesions in Whipple's disease (James et al), 359

X

X-ray spectrometry, diagnostic
Noninvasive analysis of skin iron and zinc levels in β-thalassemia major and intermedia (Gorodetsky et al), 44

Y

Yeast
Intracellular and extracellular defenses of human phagocytes against *Blastomyces dermatitidis* conidia and yeasts (Drutz and Frey), 737

Yersinia enterocolitica
Antibodies against *Yersinia enterocolitica* in patients with Reiter's syndrome (Kobayashi et al), 380

Z

Zinc
Decreased natural killer cell activity in patients with zinc deficiency with sickle cell disease (Tapazoglou et al), 19
Noninvasive analysis of skin iron and zinc levels in β-thalassemia major and intermedia (Gorodetsky et al), 44